MERIT ENERGY COMPANY

Shoshone 65-38

Plug and Abandonment Procedure **Revised 3/28/2022**

Well Information

Field: Circle Ridge
County: Fremont County, Wyoming
Legal: 0' FNL & 0' FEL Section 36 T7N R3W
Lat/Long: 43.5354, -109.05777
API #: 4901306845

Ground level elevation	7,229'	**KB Elevation:**	7,238'	
TD:	4,030'	**PBTD:**	1,192'	
Surface Casing:	13-3/8" 48.0 #/ft @ 154'			
Surface Casing Cement:	100 sx			
Surface Casing TOC:	Surface	**Source:**	Drilling Report	
Production Casing;	5-1/2" 14.0, 15.5, & 17.0 #/ft @ 1,217'			
Production Casing Cement	100 sx			
Production Casing TOC	715' Surface (Remedial Job)	**Source:**	Calculation Workover Rpt (05/2015)	
Production Tubing	2-7/8" 6.5 #/ft tubing and packer			
Open perforations	Embar: 882' – 1,152'			
Well Status	Shut In Injector			

Note: All cement pumped for this procedure will be 15.8 ppg Class G neat cement with a yield of 1.16 cu. Ft/sk and .3% by weight dispersant added.

Plugging Procedure

1. MIRU, pull all tubing, packers, rods, and pumps out of hole.
2. Run Bit and Scraper to PBTD.
3. Set CICR 50' above the top perforation @ 832'.
4. Pump 1.5x wellbore volume (60 sx) of cement below CICR.
5. Sting out of CICR, pump 25 sx on top of retainer (TOC = 620').
6. ~~WOC 24 hours.~~ **This step has been deemed to be not necessary and is removed**
7. Pressure test production casing to a minimum of 500 psi for 10 minutes.
8. RIH with 2 3/8" 4.9#/ft tubing to 200' below surface.
9. Pump balance plug from 200' to surface inside production casing.
10. WOC 24 hours. If cement level has fallen top off production casing with cement back to surface utilizing 1" poly hose.
11. Cut casing 3' below grade and weld on dry hole plate w/ legal ID. Remove rig anchors.

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Field: Circle Ridge
Total Depth
Location: Section 36, T7N, R3W

Well: Shoshone 65 38

Status: SHUT-IN
County, State: FREMONT, WYOMING
API: 490130684500

CPF: Circle Ridge
Spud Date: 1/1/1900
Ground Elevation: 7,229.00
KB Elevation: 7,238.00
On Production Date: 8/22/1954

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